ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Activity 6 - Form Practice Questions

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Note to Staff And Students

- In your real exam you will be given a brand-new database on the second day
- This is to stop possible cheating
- You will not be working on the database you built for Part A
- The new database will have new tables, queries and reports as well as lots of new data

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Note to Staff And Students

- In Part B you will be creating data entry forms and testing them
- For the purpose of this exercise, you will be given a new database that is based on what you saw in part A
- The difference is that the Primary keys for all tables are now autonumbered
- You will not change the tables or validation or modify the data in any way

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

The Cinema Chain

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Task Scenario

- You have been asked to create a database for the East Berkshire Cinema Multiplex.
- Currently all records are stored on a spreadsheet.
- The Cinema would like to be able to store and report data on how the cinema is used.
- The cinema has two screens, one has 500 seats, the other has 400 seats.
- The cinema has several films showing and it records the different types of film.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Task Scenario

The Cinema Chain has begun work on a database that looks similar to your database from Part A.

The Cinema Chain has a Concession Stand.

The Stand has a list of food and drinks as well as item costs, stock levels and date information.

The database needs to record information about the stock it holds.

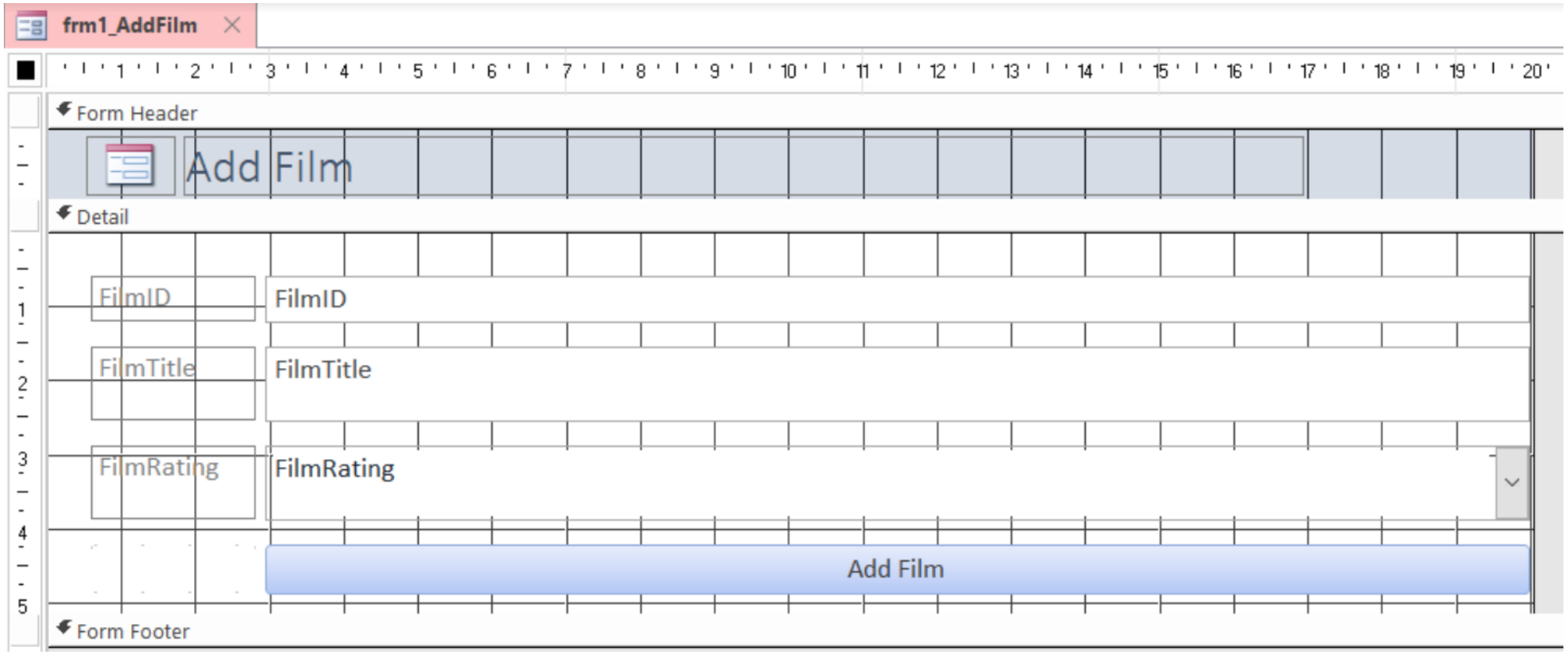
ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Form 1 – Adding A Film

©THECOMPUTINGTUTOR

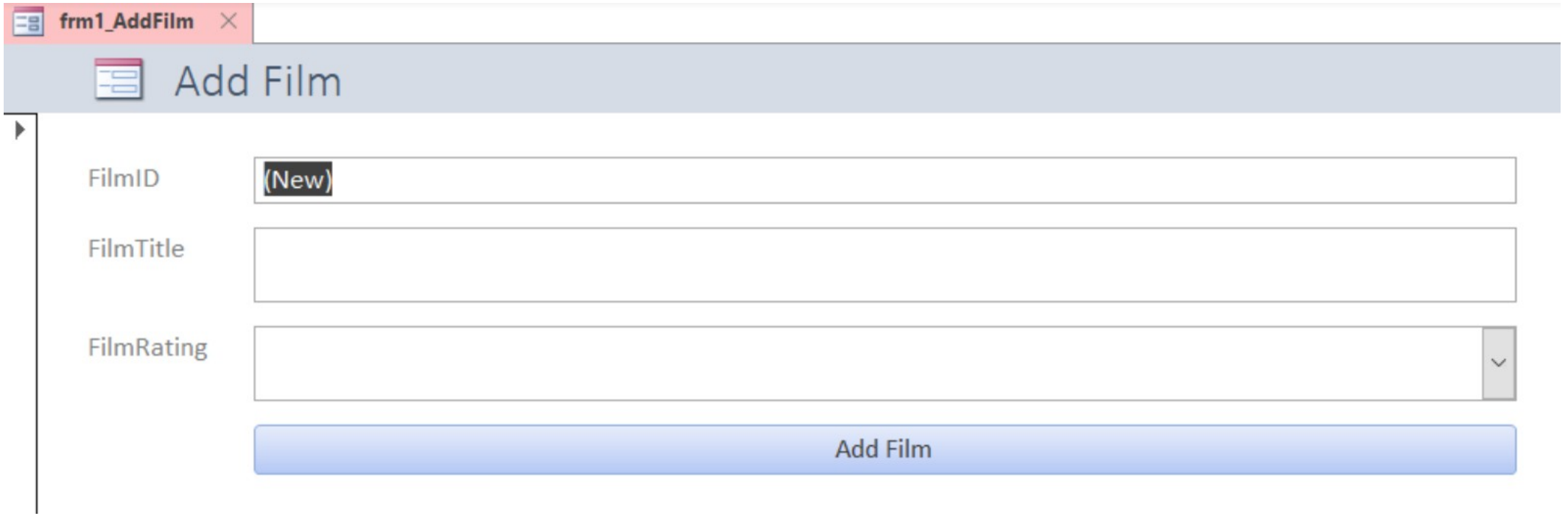
ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Form Design View



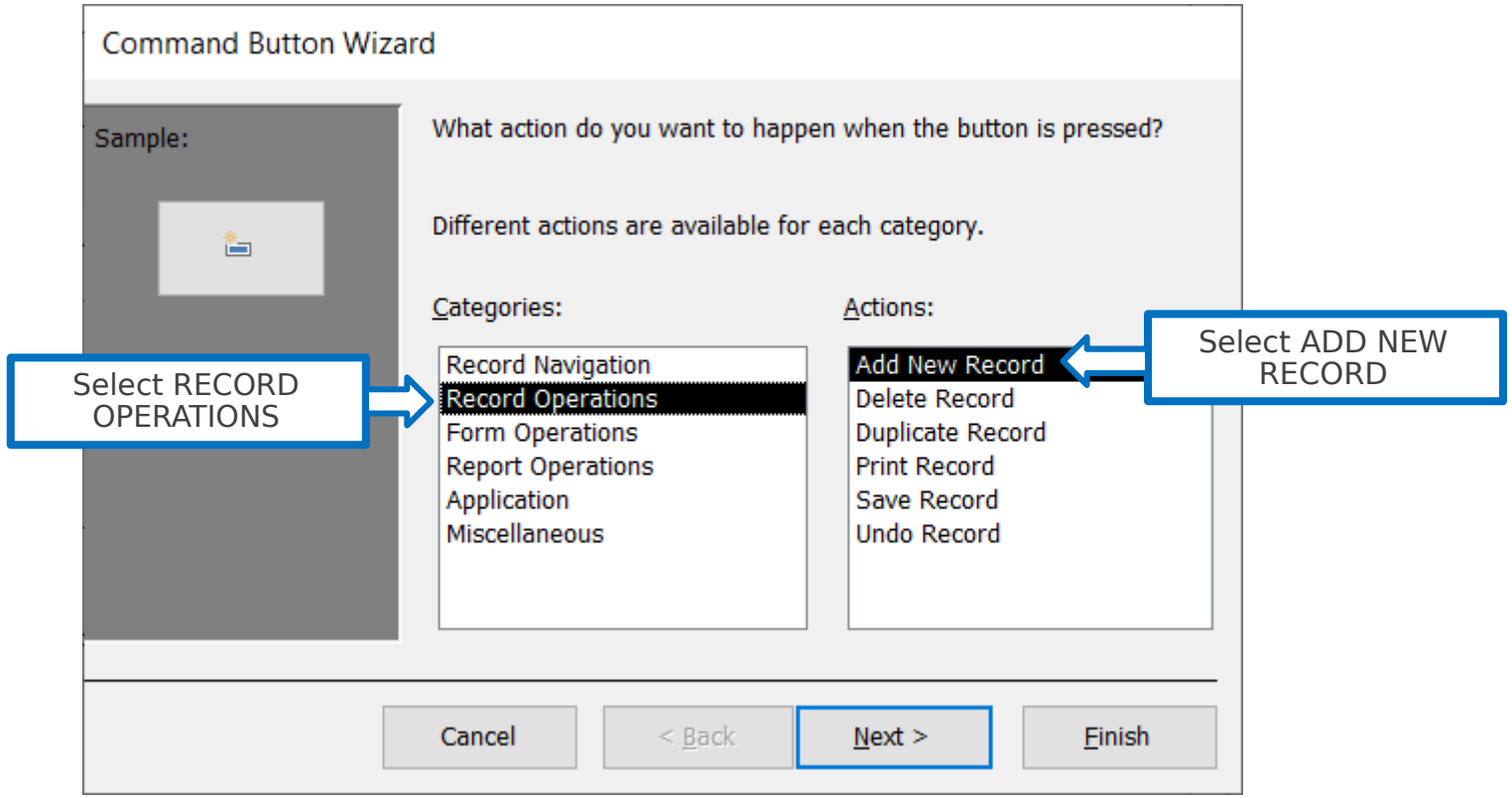
ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Form View



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Adding the Button using the Wizard



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

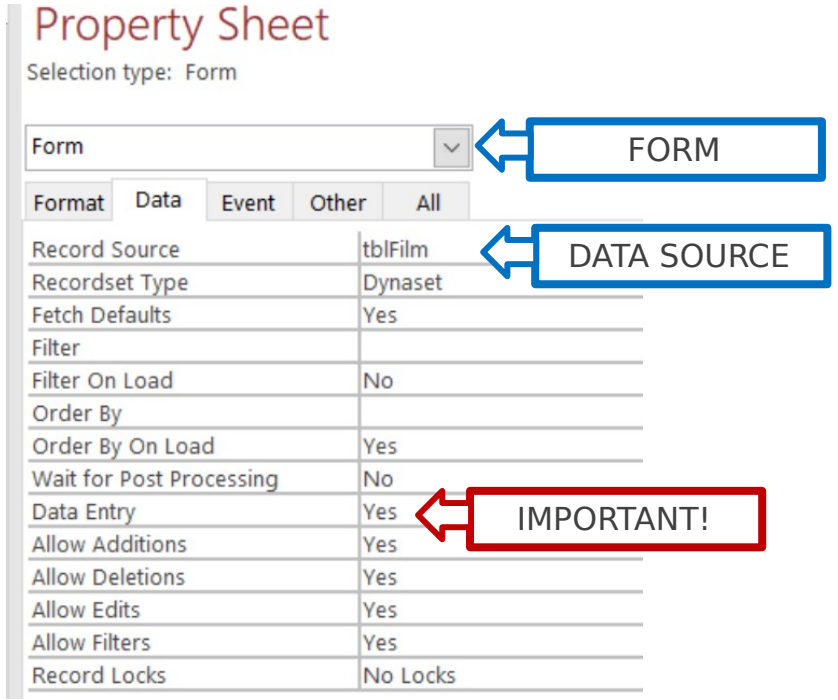
Basic Form Information

- Make sure Data Entry is set to **YES**
- The Form is bound to the Film Table
- The record source is set to tblFilm
- Validation rules are Is Not Null on the Film Title

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Form Properties

DATA ENTRY - YES



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

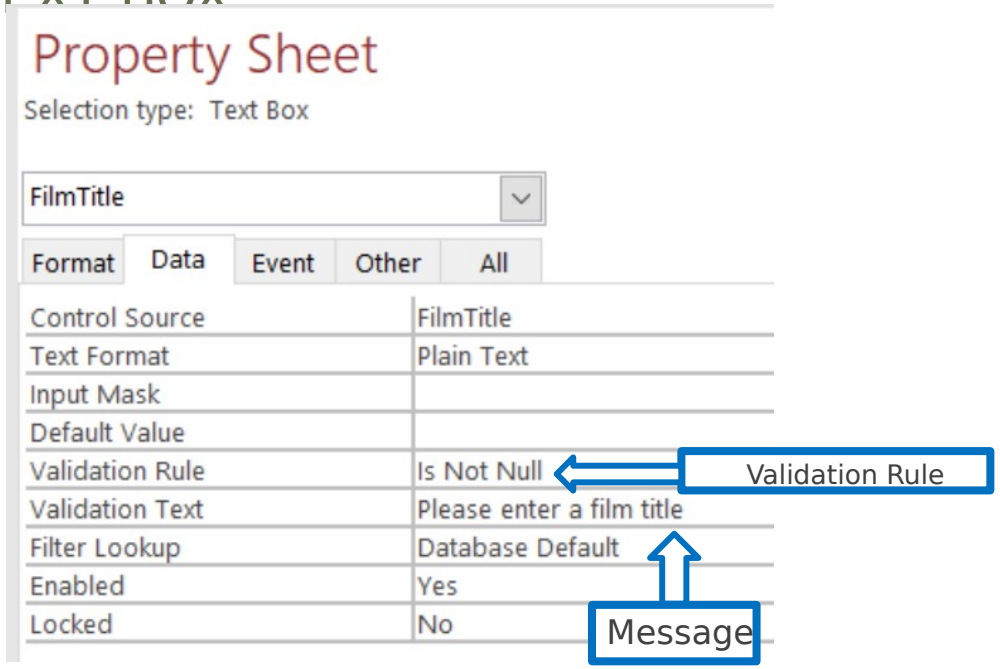
Basic Form Information

- The FilmRating Field:
- Is a ComboBox
- Has the RowSourceType set to Value List
- Has the Row Source as the different film ratings
- Has an Is Not Null validation on the field

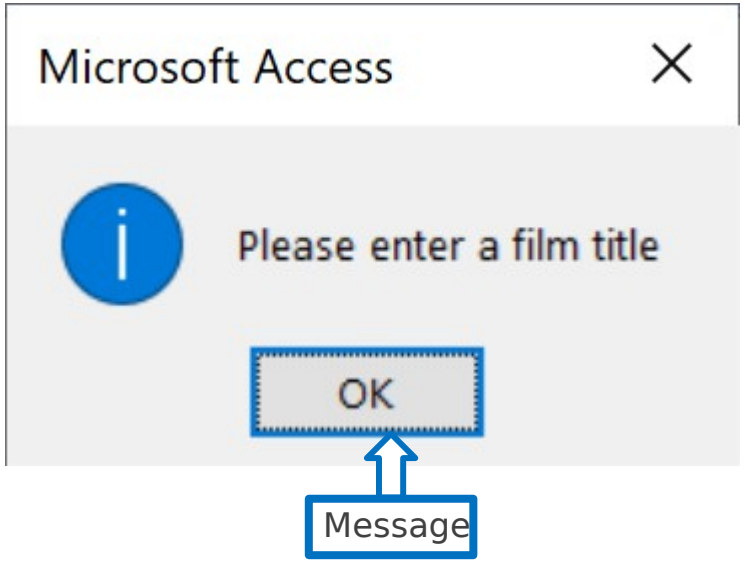
ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Film Title Validation

NULL VALIDATION IN FILM TITLE TEXT BOX



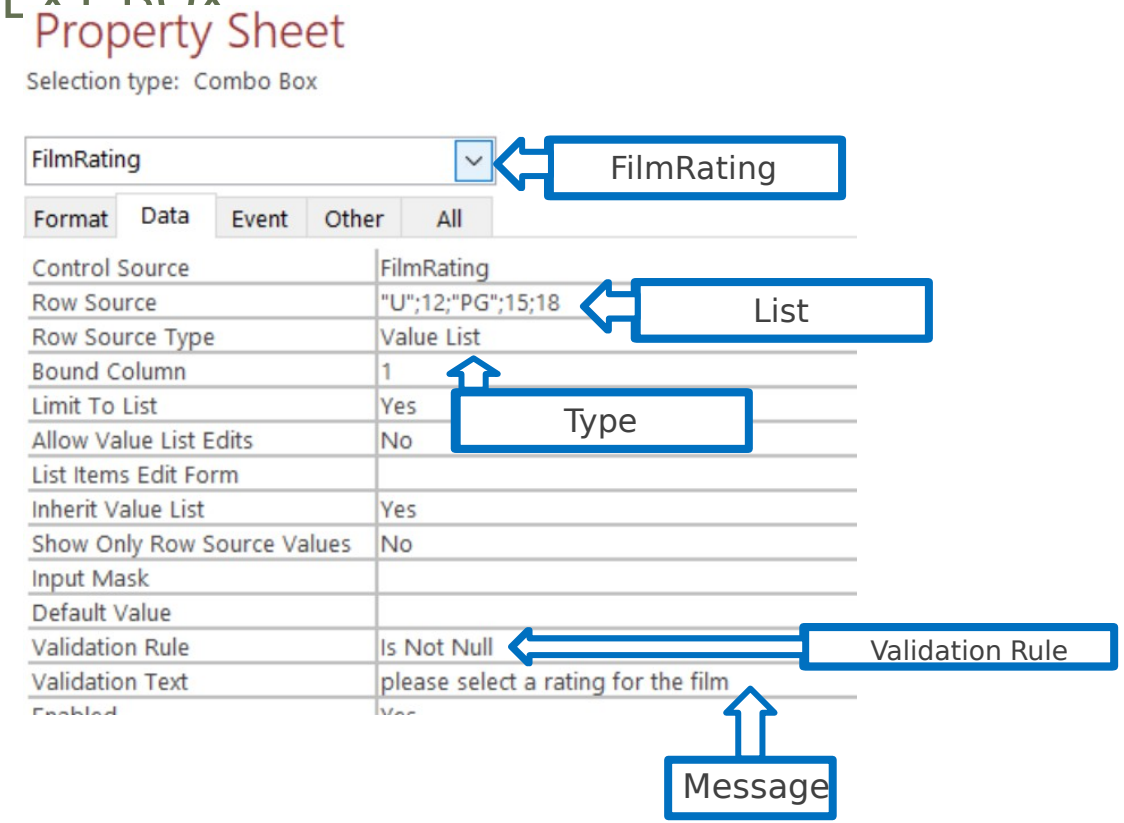
PROOF OF VALIDATION



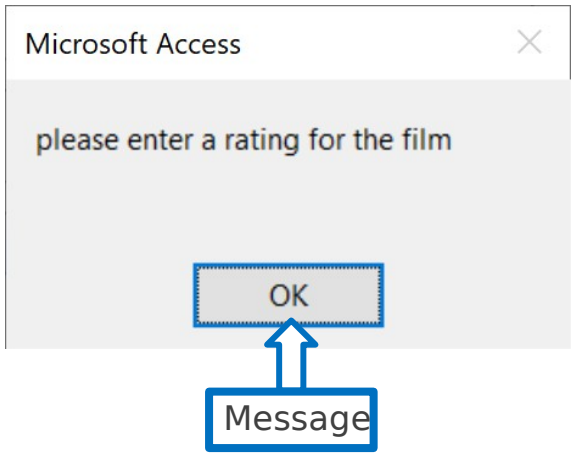
ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Film Rating Validation

NULL VALIDATION IN FILM RATING TEXT BOX

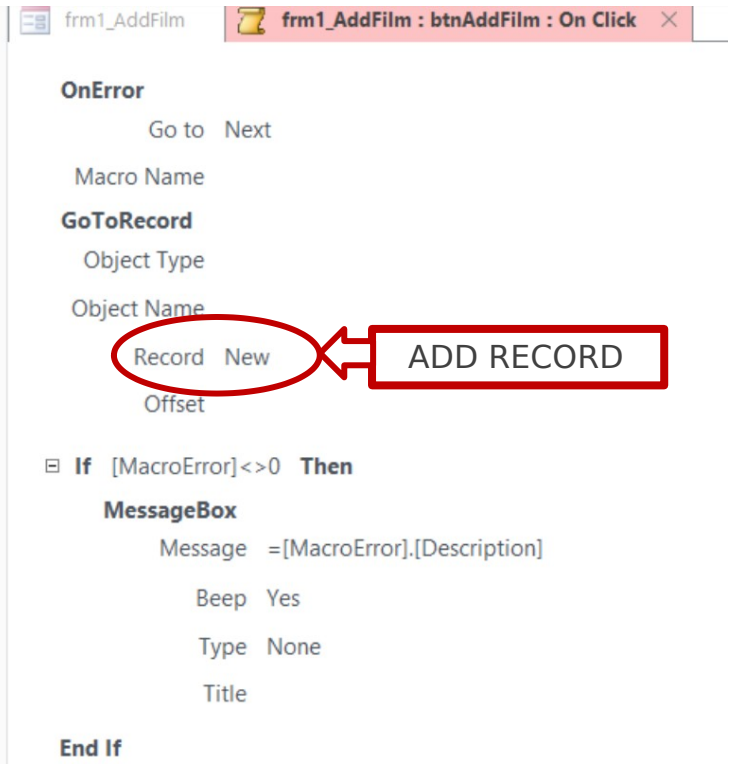


PROOF OF VALIDATION



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

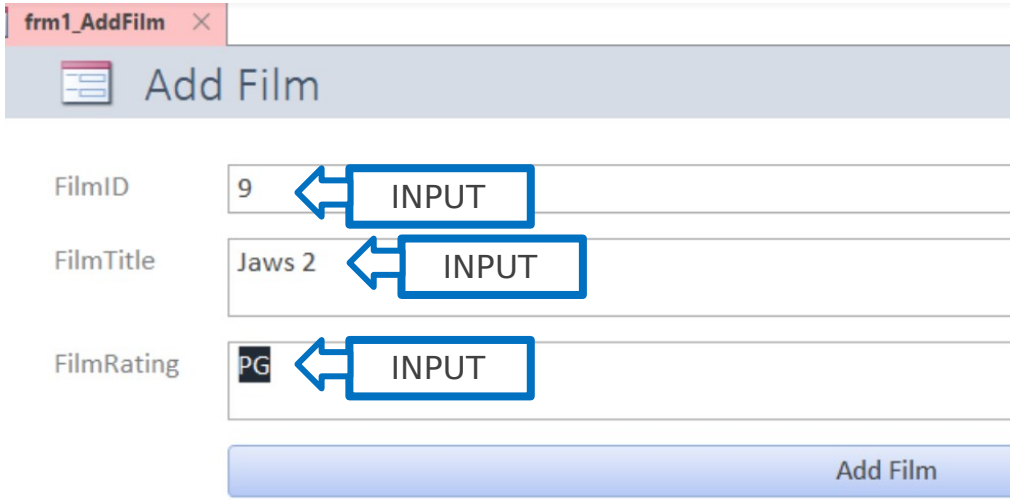
Form Macros



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Form Data Entry

DATA IN FORM



DATA IN TABLE

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary of Terms

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary – Relational Database 1

Key Term	Definition
Attribute	Another name for a Column (or Field) in a Table in a Database.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary – Relational Database 2

Key Term	Definition
Entity Relationship	How data inside one Table is linked to data inside another Table in the same database. Relationships can be one:one, one:many and many:many.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary – Relational Database 3

Key Term	Definition
Candidate Key	When you have identified some columns that MIGHT be a good Primary Key.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary – Relational Database 4

Key Term	Definition
One to One relationship	When a Record in one table has a match with one **AND ONLY ONE** Record in another table. The Record in the second table matches one **AND ONLY ONE** Record in the first Table.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary - Normalisation

Key Term	Definition
Cascading Update	When any Updates made in one Table are reflected in other Tables that are Joined by a Foreign Key.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

Glossary – SQL

Key Term	Definition
Query	The process of asking a Database a question to get a specific answer.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.

No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the TheComputingTutor

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020. ALL RIGHTS RESERVED.